Wayne A. Rowcliffe

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About Me

I thrive on maintenance and refinement.

Once all the trailblazers have swept through and moved on for the latest and greatest greenfield project, that's where I hit my stride. Let's flesh this out, mature it, make it do what people actually want, fix all those glaring performance issues.

I'm a software gardener, groundskeeper.

I've spent the past decade working with a bare bones team to build software that keeps our customers happy and keeps us in business.

Skills

- System architecture and design.
- Feature development and refinement.
- Troubleshooting customer issues.
- Performance optimization.
- Integrating third party data.
- Pragmatic problem solving.
- Addressing workflow bottlenecks and painpoints.

Technical

- Primary Languages: Python · SQL (PostgreSQL) · C++ · Typescript · SASS / CSS
- UI Frameworks: PyQt · Angular
- Version Control: Git with Pull Requests
- Development methods: Kanban · Agile (Sprints / Retrospectives) · Continuous Integration (Jenkins)
- Deployment: Docker · Kubernetes · AWS

Work History

Priority 5 (2012–Present)

Software Engineer → Senior Engineer → Lead Architect → Head of Engineering

- Situational awareness software for government agencies.
- Client / Server application for geospatial event planning, triage, and response
- Critical Infrastructure simulation system

Interesting Work Projects

- JSON/Python based query language transpiled to SQL for system dashboarding and analytics.
- Redis-based, RBAC-aware REST caching layer.
- Websocket real-time update REST query subscription protocol and backend.
- Pattern threat detection tool for inter-related data.
- Integrating all forms of geospatial data. ArcGIS or anything with location data.
- Maritime AIS transmitter integration for managing shipping ports.
- Event security staffing and planning tools

Education

Iowa State University Ames, IA, U.S.A. • Bachelor of Science: Software Engineering, 2011
Cumulative GPA: 3.98/4.00

Honors and Awards

- Graduated Summa Cum Laude / Top 2% of the Engineering College